

It's coming! Volunteers are needed for Open House 2001

By Hazel Fipps-Mann

On Saturday, August 25, Johnson Space Center will throw open its doors to the general public once again for the sixth annual Open House event.

This increasingly popular event gives visitors the opportunity to meet the people, see the places and view the hardware of the Human Space Flight program.

Last year's Open House 2000 event was attended by more than 130,000 guests. Though originally conceived for the benefit of the local community, Open House now attracts visitors from all over the world. In fact, some families make Open House part of their vacation destination. They come to experience a behind-the-scenes visit to the home of Human Space Flight excellence.

Visitors are greeted by JSC's workforce, who proudly display the tools of their trades and talk with guests about the many parts they play in helping to create space flight history.

One day out of the year may not be enough to explore the many roles JSC takes in creating this history. Guests find they must return to see and learn more each year with all of the technological advances that happen daily at JSC. Visitors love to learn about what is happening here, including construction of the most complex engineering project ever undertaken—the International Space Station.

They enjoy learning more about how JSC also continues to provide support for flights of the Space Shuttle, as well as how we have ongoing research and training for long duration flights.

Events such as Open House foster public awareness and participation, part of JSC's philosophy to "give back to the community" in as many ways as possible.

JSC is an active participant in the community through education and outreach programs. These programs help make the public aware of the many spin-off benefits of the space program.

To make Open House 2001 a success, we need your help. Volunteer staffing positions for Open House 2001 include:



- ◆ International Space Station Exhibit Trailers Docents
- ◆ Benefits of Space Exhibit Trailer Docents
- ◆ Information booths
- ◆ Teague Auditorium children's activities
- ◆ Lost Child and Parents Center
- ◆ Clinic
- ◆ Cafeterias

More than 400 volunteers are needed from the JSC on-site and off-site work forces to staff these positions. ■

To volunteer for staffing, contact CC de la Garza at X31033 or register online at <http://www4.jsc.nasa.gov/scripts/openhouse/index.cfm/>

Fellowship program info available

Each year NASA sponsors employees' participation in various academically-based programs offered by universities such as Harvard, MIT, Carnegie-Mellon and Simmons. The intent of these noncredit programs is to provide an intensive study of management and executive processes. Participants are selected from across the Agency on a competitive basis. The programs are targeted primarily for employees at the GS-13 to SES levels.

If you are interested in being nominated for any of these programs, your first step is to talk to your supervisor. Applications should be submitted to management and through each directorate/program office. Directorate/program offices will forward completed applications (items 1-24) to the Human Resources Development Branch (AH3) by Monday, July 16, 2001.

The Center's NASA Fellowship Panel will choose JSC nominees and final selections will be made at NASA Headquarters.

- In selecting candidates, Headquarters and JSC consider the following criteria:
- ◆ Pattern of significant recognition and accomplishments
 - ◆ Education and development record
 - ◆ Demonstrated potential
 - ◆ Purpose for participating in the program
 - ◆ Plan for using knowledge gained in support of Center goals

Final selections will also be based on the needs of the Center and the match of individual needs with the program objectives. Visit <http://jscpeople.jsc.nasa.gov/Training/dev/nasafellow.htm> for more detailed descriptions of each of the university programs and how to apply. For general information on the NASA Fellowship program, please contact Erica Vandersand (x31999) or Stacey Medina (x41069) in the Human Resources Development Branch. ■

Human Test Subject Facility seeks volunteers

The Human Test Subject Facility at Johnson Space Center is currently recruiting post-menopausal or post-hysterectomy women up to the age of 65.

Women must:

- ◆ Be non-smokers in good health
- ◆ Have no medication allergies
- ◆ Not be taking any hormone replacement medications
- ◆ Have no history of cardiovascular diseases
- ◆ Have no history of breast cancer
- ◆ Have no history of abnormal results from mammograms or pap smears

Volunteers will participate in a cardiovascular clinical study designed to determine the effects of estrogen on the heart and blood vessels. To qualify, volunteers must complete the required physical exam which includes a blood work-up, ECG, vision and hearing screening, and a treadmill test. Volunteers may be compensated for their time (restrictions apply to NASA and contractor personnel). For additional details and initial screening, call Dr. Dominick D'Aunno at 281-483-5542.

EXPERIMENT CORNER

Expedition II Science Experiments

EXPRESS Rack - EXpedite the Processing of Experiments to the Space Station

The EXPRESS Rack is a standardized payload rack that is being used to transport, store and support experiments aboard the International Space Station. There are currently two such racks aboard the station. These racks can be controlled by the crew or by the Payload Operations Center at MSFC. EXPRESS Rack 2 contains ARIS. Delivered aboard the Raffaello cargo module during STS-100/6A in April 2001.

More Express Rack info:
Expedition Two press kit, p. 15
<http://spaceflight.nasa.gov/station/science/experiments/exprack.html>

H- Reflex: Effects of Spaceflight on Spinal Cord Excitability

Measures the ability of the spinal cord to respond to stimuli after being exposed to microgravity. Two tests were done on each Expedition Two crewmember on their second and seventh days in space. The third and final tests will be done shortly before the crew comes home to look for longer-term effects. The data will help researchers determine if exercise could be made more effective on long-duration space flights. Similar experiments have been flown aboard eight previous shuttle flights.

More H-Reflex info:
Expedition Two press kit, p. 16
<http://spaceflight.nasa.gov/station/science/experiments/hreflex.html>

HRF - Human Research Facility Rack 1 - Destiny Lab

A laboratory rack that enables scientists to study the physiological, behavioral and chemical changes that human beings experience during long-duration space flights. Provides power, command and data handling, cooling air and water, pressurized gases and vacuum. Delivered aboard the Leonardo cargo module during STS-102/5A.1 in March 2001. The second rack is scheduled for launch in 2002.

More HRF info:
Expedition Two press kit, p. 17
<http://hrf.jsc.nasa.gov/>
<http://hrf.jsc.nasa.gov/i2.htm>
<http://spaceflight.nasa.gov/station/science/experiments/hrf.html>

Interactions - Destiny Lab

A questionnaire on a laptop computer that the crew and members of their ground support team complete once a week. The data are being used to examine issues involving tension, cohesion and leadership roles in both the crew and their ground support team. Delivered during STS-102/5A.1 in March 2001. Also flown on Mir.

More Interactions info:
Expedition Two press kit, p. 18
http://spaceflight.nasa.gov/station/science/experiments/hlf_inter.html

For more details, please read the Expedition Two press kit at:
http://spaceflight.nasa.gov/station/crew/exp2/exp2_presskit.pdf

E-Mail from Afar

This was recently received in Public Affairs:

I am writing to say that for the past week (June 2-6) I have watched the International Space Station as it passed over Ireland with great enjoyment at this amazing International Station being built for all humanity to share out in space. The people at NASA should be very proud of their achievements.

Yours sincerely,
Bill Reddin
Republic of Ireland

